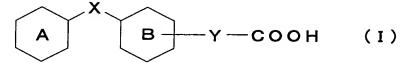
CLAIMS

- 1. An agent for regulating 14273 receptor function comprising a compound having an aromatic ring and a group capable of releasing a cation.
- 2. The agent according to claim 1, wherein the compound is a carboxylic acid containing two or more aromatic rings, or a derivative thereof.

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3. The agent according to claim 1, wherein the compound is represented by the formula:



wherein ring A is an aromatic ring optionally having

15 substituent(s); ring B is an aromatic ring optionally having

substituent(s) in addition to -Y-COOH; X and Y are each a

spacer; and -Y-COOH is substituted at any position on ring B,

or a salt thereof or a prodrug thereof.

- 4. An agent for preventing or treating diabetes mellitus, hyperlipidemia, obesity or anorexia, comprising a 14273 receptor function regulating drug having an aromatic ring and a group capable of releasing a cation.
- 25 5. An agent for regulating stress comprising a compound having an aromatic ring and a group capable of releasing a cation.
 - 6. A compound represented by the formula:

$$R^{\circ}$$
 C
 R°
 R°

wherein R^a is a hydrogen atom, a fluorine atom, a chlorine atom, a hydrocarbon group optionally having substituent(s), a heterocyclic group optionally having substituent(s), a hydroxy 5 group optionally having substituent(s), a carboxyl group optionally having substituent(s), an acyl group, or an amino group optionally having substituent(s);

R^b is a hydrogen atom, a fluorine atom, a chlorine atom, a hydrocarbon group optionally having substituent(s), a

10 heterocyclic group optionally having substituent(s), a hydroxy group optionally having substituent(s), a carboxyl group optionally having substituent(s), an acyl group, or an amino group optionally having substituent(s),

with the proviso that when one of R^a and R^b is a hydrogen atom, then the other should not be a hydrogen atom;

R^c is a hydrogen atom, a hydrocarbon group optionally having substituent(s), or a heterocyclic group optionally having substituent(s);

R^d is a hydrogen atom, a fluorine atom, a chlorine atom, 20 a hydrocarbon group optionally having substituent(s), a heterocyclic group optionally having substituent(s), a hydroxy group optionally having substituent(s), a carboxyl group optionally having substituent(s), an acyl group, or an amino group optionally having substituent(s),

or R^c and R^d are optionally bonded to each other to form a ring optionally having substituent(s);

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R^e is a hydrogen atom, a fluorine atom, a chlorine atom, a hydrocarbon group optionally having substituent(s), a heterocyclic group optionally having substituent(s), a hydroxy

group optionally having substituent(s), a carboxyl group optionally having substituent(s), an acyl group, or an amino group optionally having substituent(s),

with the proviso that when one of R^d and R^e is a hydrogen stom, then the other should not be a hydrogen atom;

 X^a is an oxygen atom, or a methylene group optionally having substituent(s); and

ring C is a benzene ring optionally having further substituent(s),

or a salt thereof, except

- (i) 3,5-difluoro-4-[(2,3-dihydro-1H-inden-1yl)oxy]benzenepropanoic acid, (ii) 3-chloro-4-[(2,3-dihydro1H-inden-1-yl)oxy]benzenepropanoic acid, (iii) 4-([1,1'biphenyl]-3-ylmethoxy)-3-chlorobenzenepropanoic acid, (iv) 4
 [(4,5-dimethoxy-2-nitrophenyl)methoxy]-3methoxybenzenepropanoic acid, and (v) 4-[3-hydroxy-1-(4hydroxy-3-methoxyphenyl)-2-(2-methoxyphenoxy)propoxy]-3methoxybenzenepropanoic acid.
- 7. The compound according to claim 6, wherein ring C is a benzene ring represented by the formula:

wherein R^f is a hydrocarbon group optionally having substituent(s), or a hydroxy group optionally having substituent(s); and R^e is a hydroxy group optionally having substituent(s).

8. The compound according to claim 6, wherein

R^d and R^e are each a hydrogen atom, a fluorine atom, a

30 chlorine atom, an alkyl group optionally having substituent(s)

free of a benzene ring, an alkenyl group optionally having

substituent(s) free of a benzene ring, an alkynyl group
 optionally having substituent(s) free of a benzene ring, a
 cycloalkyl group optionally having substituent(s) free of a
 benzene ring, a heterocyclic group optionally having

5 substituent(s) free of a benzene ring, an alkoxy group
 optionally having substituent(s) free of a benzene ring, a
 heterocyclyloxy group optionally having substituent(s) free of
 a benzene ring, a carboxyl group optionally having
 substituent(s) free of a benzene ring, an acyl group free of a

10 benzene ring, or an amino group optionally having
 substituent(s) free of a benzene ring;

when one of R^d and R^e is a hydrogen atom, then the other should not be a hydrogen atom; and

ring C is a benzene ring optionally having further substituent(s) free of a benzene ring.

9. The compound according to claim 6, wherein at least one of R^a and R^b is a fluorine atom, a chlorine atom, or an alkoxy group optionally having substituent(s); R^c is a hydrogen atom;

R^d and R^e are each a hydrogen atom, or an alkoxy group optionally having substituent(s) free of a benzene ring;

when one of R^d and R^e is a hydrogen atom, then the other should not be a hydrogen atom;

25 X^a is an oxygen atom; and ring C is a benzene ring optionally having substituent(s) free of a benzene ring.

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- 10. The compound according to claim 6, wherein at least one of R^a and R^b is a fluorine atom, a chlorine atom, a C_{1-6} alkyl group, or a C_{1-6} alkoxy group; R^c is a hydrogen atom; X^a is an oxygen atom; R^d is a hydrogen atom; and R^e is a C_{6-14} aryloxy group optionally having substituent(s).
- 35 11. The compound according to claim 6, wherein

 R^a is a fluorine atom, a chlorine atom, or a C_{1-6} alkoxy group;

 R^b is a hydrogen atom, or a fluorine atom; R^c is a hydrogen atom, or a C_{1-6} alkyl group;

5 X^a is an oxygen atom;

ring C is a benzene ring optionally having, in addition to R^d and R^e, further substituent(s) selected from the group consisting of (i) a C₁₋₆ alkyl group, (ii) a hydroxy group, (iii) a C₁₋₆ alkoxy group optionally having substituent(s)

10 selected from the group consisting of hydroxy, amino, C₁₋₆ alkoxy-carbonyl-amino, carboxy, C₁₋₆ alkoxy-carbonyl, carbamoyl, mono-C₁₋₆ alkyl-carbamoyl, di-C₁₋₆ alkyl-carbamoyl, tri-C₁₋₆ alkylsilyloxy, and a 5- to 7-membered heterocyclic group containing, in addition to carbon atom(s), 1 to 4 heteroatoms

15 of one or two kinds selected from a nitrogen atom, a sulfur atom and an oxygen atom, (iv) a C₆₋₁₄ aryloxy group, and (v) a C₇₋₁₆ aralkyloxy group; and

(1) when R^d is a hydrogen atom,

then R^e should be (i) a hydroxy group, (ii) a C₁₋₆ alkoxy group optionally having substituent(s) selected from the group consisting of C₁₋₆ alkoxy, carboxy, C₁₋₆ alkoxy-carbonyl, C₁₋₆ alkyl-carbonyl, carbamoyl, mono-C₁₋₆ alkyl-carbamoyl and di-C₁₋₆ alkyl-carbamoyl, (iii) a C₂₋₆ alkynyloxy group, (iv) a C₃₋₇ cycloalkyloxy group, (v) a C₆₋₁₄ aryloxy group optionally having substituent(s) selected from the group consisting of a halogen atom, C₁₋₆ alkyl, C₁₋₆ alkoxy and C₁₋₆ alkyl-carbonyl, or (vi) a 5- to 10-membered heterocyclyl-oxy group containing, in addition to carbon atom(s), 1 to 4 heteroatoms of one or two kinds selected from a nitrogen atom, a sulfur atom and an oxygen atom;

(2) when Re is a hydrogen atom,

then R^d should be (i) a C_{1-6} alkyl group, (ii) a C_{6-14} aryl group, (iii) a C_{1-6} alkoxy group optionally having substituent(s) with a 5- to 7-membered heterocyclic group containing, in addition to carbon atom(s), 1 to 4 heteroatoms

of one or two kinds selected from a nitrogen atom, a sulfur atom and an oxygen atom, (iv) a C_{3-7} cycloalkyloxy group, (v) a C_{6-14} aryloxy group optionally having substituent(s) selected from the group consisting of a halogen atom and optionally halogenated C_{1-6} alkyl, (vi) a C_{7-16} aralkyloxy group, or (vii) a 5- to 7-membered heterocyclic group containing, in addition to carbon atom(s), 1 to 4 heteroatoms of one or two kinds selected from a nitrogen atom, a sulfur atom and an oxygen atom.

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12. The compound according to claim 6, wherein R^a is a fluorine atom, a chlorine atom, or a C_{1-6} alkoxy group;

R^b is a hydrogen atom or a fluorine atom;

15 R^c is a hydrogen atom;

 R^d is a hydrogen atom, or a C_{6-14} aryl group;

 R^{e} is a hydrogen atom, a C_{1-6} alkoxy group, or a C_{6-14} aryloxy group;

when one of R^d and R^e is a hydrogen atom, then the other should not be a hydrogen atom;

Xa is an oxygen atom; and

ring C is a benzene ring having no substituent other than $\ensuremath{R^d}$ and $\ensuremath{R^e}.$

25 13. The compound according to claim 7, wherein R^f is (i) a C₁₋₆ alkyl group, (ii) a hydroxy group, (iii) a C₁₋₆ alkoxy group optionally having substituent(s) selected from the group consisting of hydroxy, amino, C₁₋₆ alkoxy-carbonyl-amino, carboxy, C₁₋₆ alkoxy-carbonyl, carbamoyl, mono-C₁₋₆ alkyl-30 carbamoyl, di-C₁₋₆ alkyl-carbamoyl, tri-C₁₋₆ alkylsilyloxy, and a 5- to 7-membered heterocyclic group containing, in addition to carbon atom(s), 1 to 4 heteroatoms of one or two kinds selected from a nitrogen atom, a sulfur atom and an oxygen atom, (iv) a C₆₋₁₄ aryloxy group, or (v) a C₇₋₁₆ aralkyloxy group; and

 R^e is a C_{1-6} alkoxy group, or a C_{6-14} aryloxy group.

- 14. 3,5-Difluoro-4-[(3-phenoxyphenyl)methoxy]benzenepropanoic acid, or 3-fluoro-4-[(35 phenoxyphenyl)methoxy]benzenepropanoic acid, or a salt thereof.
- 15. 3-(4-{[3-(4-Chlorophenoxy)benzy1]oxy}-3,5difluorophenyl)propanoic acid, 3-(3,5-difluoro-4-{[3-(4fluorophenoxy)benzyl]oxy}phenyl)propanoic acid, 3-(3,5
 10 difluoro-4-{[3-(4-methylphenoxy)benzyl]oxy}phenyl)propanoic
 acid, 3-(3-fluoro-4-{[3-(2-fluorophenoxy)benzyl]oxy}phenyl)propanoic acid, 3-(3-fluoro-4-{[3-(3-fluorophenoxy)benzyl]oxy}phenyl)propanoic acid, 3-(3-fluoro-4-{[3-(4fluorophenoxy)benzyl]oxy}phenyl)propanoic acid, 3-(3-fluoro-4
 15 {[3-(4-chlorophenoxy)benzyl]oxy}phenyl)propanoic acid, 3-(3fluoro-4-{[3-(4-methylphenoxy)benzyl]oxy}phenyl)propanoic acid,
 3-{3-methyl-4-[(3-phenoxybenzyl)oxy]phenyl}propanoic acid, or
 3-(4-{[3-(4-fluorophenoxy)benzyl]oxy}-3-methylphenyl)propanoic
 acid, or a salt thereof.

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- 16. A prodrug of the compound according to claim 6, except ethyl 4[(2,4-dichlorophenyl)methoxy]-3-methoxybenzenepropanoate.
- 25 17. The prodrug according to claim 16, which is an ester form of the carboxylic acid.
 - 18. A pharmaceutical agent comprising the compound according to claim 6, or a salt thereof, or a prodrug thereof.

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19. A method of regulating the function of 14273 receptor, comprising administering, to a mammal, an effective amount of a compound having an aromatic ring and a group capable of releasing a cation.

- 20. A method of preventing or treating diabetes mellitus, hyperlipidemia, obesity or anorexia, comprising regulating the function of 14273 receptor by administering, to a mammal, an effective amount of a compound having an aromatic ring and a group capable of releasing a cation.
 - 21. A method of regulating stress, comprising administering, to a mammal, an effective amount of a compound having an aromatic ring and a group capable of releasing a cation.

22. Use of a compound having an aromatic ring and a group capable of releasing a cation, for the production of an agent for regulating 14723 receptor function.

- 23. Use of a 14273 receptor function regulating drug having an aromatic ring and a group capable of releasing a cation, for the production of an agent for the prevention or treatment of diabetes mellitus, hyperlipidemia, obesity or anorexia.
- 20 24. Use of a compound having an aromatic ring and a group capable of releasing a cation, for the production of a stress regulating agent.
- 25. A method of screening for a ligand, agonist or
 25 antagonist for a 14273 receptor, comprising using a 14273
 receptor, or a partial peptide thereof or a salt thereof, and
 a compound having an aromatic ring and a group capable of
 releasing a cation.
- 26. A kit for screening for a ligand, agonist or antagonist for a 14273 receptor, comprising a 14273 receptor, or a partial peptide thereof or a salt thereof, and a compound having an aromatic ring and a group capable of releasing a cation.

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